

# SIMULATION METHOD AND DEVICE

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**Applicant(s):** IBM

**Classification:**


- international: *G06F19/00; B65G61/00; G05B19/418; G06F17/50; G06F19/00; B65G61/00; G05B19/418; G06F17/50; (IPC1-7): G06F15/20*


- European: G05B19/418S; G06F17/50C

**Application number:** JP19900174642 19900703

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 EP0465180 (A2)

 EP0465180 (A3)

## Abstract of **JP 4064164 (A)**

**PURPOSE:** To easily describe the processing algorithm of simultaneously generated events and to enable efficient processing by simulating the event scheduled to be generated in one frame and next simulating performing the simulation limited to the event having intensive chaining with this event.

**CONSTITUTION:** While successively referring to the scheduled generation time of events, the object to generate the event at the time specified by a route frame is searched, and the simulation of this object is executed.

Next, while referring to simultaneously generated event rules, the searched object and the event to be simultaneously generated are listed up, and the object to generate such an event is executed. When these processes are finished, the time of the route frame is updated, and processing is further

repeated until the end of simulation time. Thus, the processing algorithm of simultaneously generated events is easily described and further, efficient processing is, enabled so that high-speed simulation can be performed.

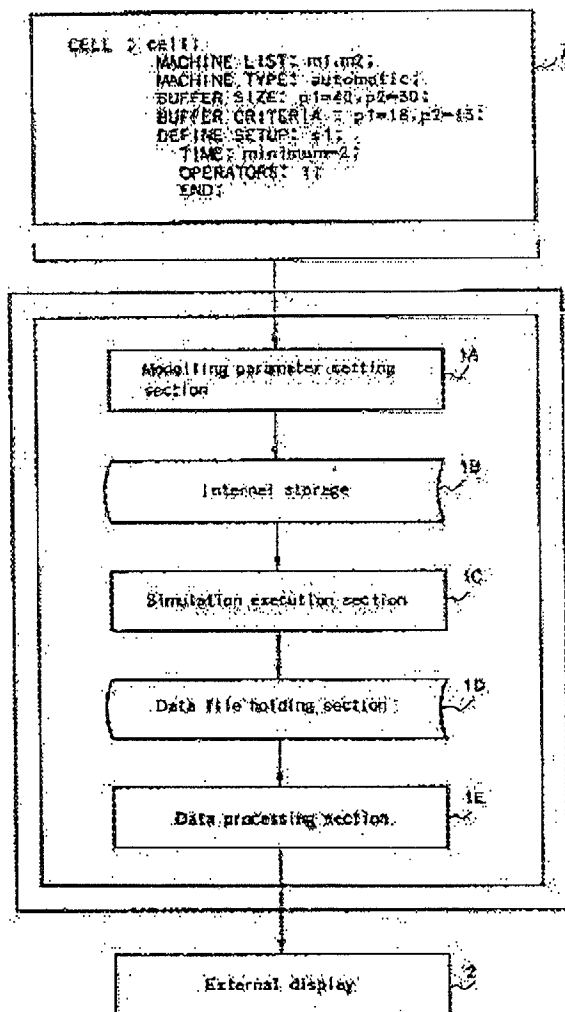


FIG. 1


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# MANUFACTURING PROCESS SPECIFICATION GENERATION/OPERATION SYSTEM, PROCESS DATA GENERATION SYSTEM, AND METHOD FOR MANUFACTURING SEMICONDUCTOR DEVICE

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 US6516237 (B1)

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Applicant(s): TOKYO SHIBAURA ELECTRIC  
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## Classification:

- international: *B23Q41/08; B65G61/00;  
G05B17/02; G05B19/418;  
G06F19/00; G06Q50/00;  
H01L21/00; H01L21/02;  
B23Q41/08; B65G61/00;  
G05B17/00; G05B19/418;  
G06F19/00; G06Q50/00;  
H01L21/00; H01L21/02; (IPC1-  
7): H01L21/00; B23Q41/08;  
G06F17/60; H01L21/02*

- European: G05B17/02; G05B19/418S

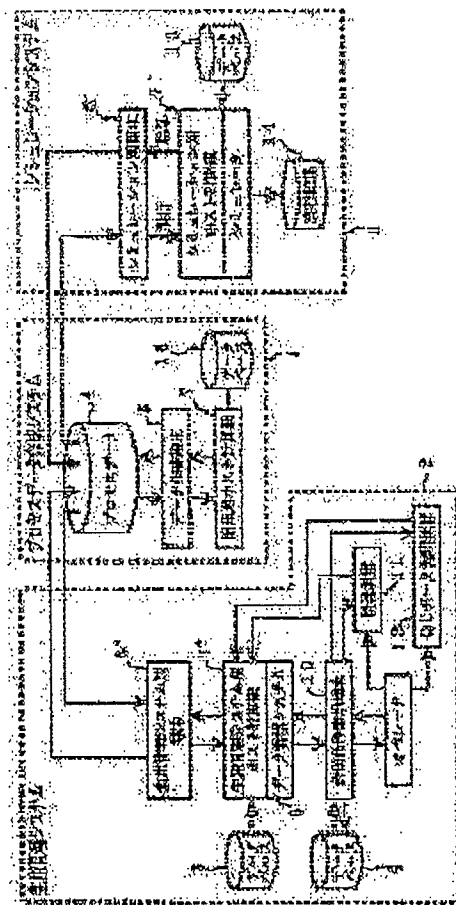
Application number: JP19970156084 19970530

Priority number(s): JP19970156084 19970530

## Abstract of JP 10335193 (A)

PROBLEM TO BE SOLVED: To  
provide a manufacture process  
specification/operation system,  
wherein simulation is effectively used  
by using a process data which can  
be inputted in both a production  
control system and a simulation  
system. SOLUTION: This system  
comprises a production control  
system 2, wherein an instruction is  
issued to a manufacturing device,  
used in each process of  
manufacturing process, or the  
manufacturing device is controlled, a

simulation system 3 which performs a simulation for each process of the manufacturing process, and a process data generation system 1 provided with a storage device, in which a process data which can be used as an input data for both the production control system 2 and the simulation system 3 and an compilation device for compiling the process data. A simulation is effectively used for product development, and technical know-hows regarding product manufacturing and a know-how for simulation are easily made into a database collectively.



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